

AMENDMENTS TO THE CLAIMS

Claims 1-6 (Cancelled).

7. (Previously presented) A composition of the formulae:

5 (a) $M-F_m-O-(CR_2)_2-S_n-(CR_2)_2-O-M^1$; or

(b) $M-Z-A-O-(CR_2)_2-S_n-(CR_2)_2-F^l_{(m+1)}-O-A-Z^1-M^1$,

wherein

C, O and S have their normal meaning of carbon, oxygen and sulfur;

n is at least 2 and not more than about 8;

10 F is of the formula $-O-(CR_2)_2-S_n-(CR_2)_2-O-A-$;

F^l is of the formula $-O-A-O-(CR_2)_2-S_n-(CR_2)_2-$;

m is at least 1;

Z and Z^1 are the same or different and are oxy or amino;

M and M^1 are the same or different and are hydrogen or an organic substituent;

15 Each R is a hydrogen or organic monovalent radical having from 2 to 20 carbon atoms;

and

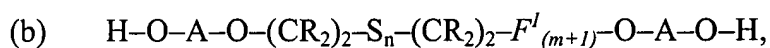
A is the residue of a dicarboxylic acid of from 2 to 40 carbon atoms, which includes carbonyl groups.

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8. (Previously presented) A composition according to claim 7, wherein R, M and M^1 are hydrogen and A is of from 2 to 12 carbon atoms.

9. (Previously presented) A composition of the formulae:

25 (a) $H-F_m-O-(CR_2)_2-S_n-(CR_2)_2-O-H$; or



wherein

C, O, H and S have their normal meaning of carbon, oxygen, hydrogen and sulfur;

n is at least 2 and not more than about 8;

5 F is of the formula $-O-(CH_2)_2-S_n-(CH_2)_2-O-A-$;

F' is of the formula $-O-A-O-(CH_2)_2-S_n-(CH_2)_2-$;

m is at least 1; and

A is a fatty acid dimer residue, which includes carbonyl groups.

10 10. (Previously presented) A composition according to claim 7, wherein:

M is defined as WR^2- and

M^1 is defined as W^1R^3- ,

wherein:

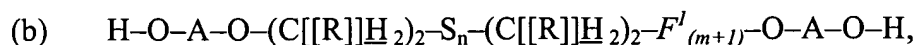
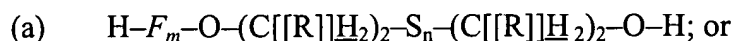
R^2 and R^3 are the same or different and are an organic divalent radical having from 2 to

15 12 carbon atoms; and

W and W^1 are the same or different, and are amino and substituted amino of from about 1 to 6 carbon atoms, hydroxyl, carboxyl, isothiocyanate, isocyanate, oxo-carbonyl, non-oxo-carbonyl, siloxane, silane, cyclocarbonate, active olefin, or active halogen.

20 Claims 11-19. (Cancelled).

20. (Currently amended) A composition of the formulae:



25 wherein:

C, O, H and S have their normal meaning of carbon, oxygen, hydrogen and sulfur;

n is at least 2 and not more than about 8;

F is of the formula $-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-\text{O}-\text{A}-$;

F' is of the formula $-\text{O}-\text{A}-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-$;

m is at least 1;

~~Each R is a hydrogen or organic monovalent radical having from 2 to 20 carbon atoms;~~

5 and A is the residue of a malonic, succinic, glutaric, adipic, pimelic, suberic, azelaic, sebacic, maleic, fumaric, phthalic, isophthalic, terephthalic, hemimellitic, trimellitic, trimesic, ~~eicosanic~~, nonane-dicarboxylic, decane-di-carboxylic, brassylic, dithiodiacetic, ~~polythiodiacetic~~, dithiodipropionic, ~~polythiodipropionic~~, dithiodibutyric, ~~polythiodibutyric~~, which includes carbonyl groups.

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21. (Original) A composition resulting from the reaction of the reactants di(hydroxyethyl)disulfide, succinic or adipic acid and dimethylolpropionic acid and an acid catalyst[[.]] at a temperature in the range of about 90°C to about 180°C.

15 22. (Currently amended) A composition of the formula:

(a) $\text{H}-\text{F}_m-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-\text{O}-\text{H}$; or

(b) $\text{H}-\text{Z}-\text{A}-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-\text{F}'_{(m+1)}-\text{O}-\text{A}-\text{Z}^1-\text{H}$,

wherein

C, O, H and S have their normal meaning of carbon, oxygen and sulfur;

20 n is at least 2 and not more than about 8;

F is of the formula $-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-\text{O}-\text{A}-$;

F' is of the formula $-\text{O}-\text{A}-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-$;

m is at least 1;

Z and Z^1 are the same or different and are oxy or amino; and

25 A is a fatty acid dimer residue.

~~according to claim 7, wherein R, M and M¹ are hydrogen, and A is a fatty acid dimer residue.~~

Claims 23-27. (Cancelled).